CENTRAL PNEUMATIC®
CONTRACTOR SERIES

THREE-PIECE AIR NAILER KIT

Model 98464

SET UP AND OPERATING INSTRUCTIONS

ITEM 97524

ITEM 97526

ITEM 97520

Distributed exclusively by Harbor Freight Tools®.
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Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.

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For technical questions or replacement parts, please call 1-800-444-3353.

SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

Safety Alert Symbol and Signal Words

In this manual, on the labeling, and all other information provided with this product:

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠DANGER **DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.**

⚠WARNING **WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.**

⚠CAUTION **CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.**

NOTICE **NOTICE is used to address practices not related to personal injury.**

CAUTION **CAUTION, without the safety alert symbol, is used to address practices not related to personal injury.**

IMPORTANT SAFETY INSTRUCTIONS

INSTRUCTIONS PERTAINING TO A RISK OF FIRE OR INJURY TO PERSONS

WARNING – When using tools, basic precautions should always be followed, including the following:

General

a. **To reduce the risks of electric shock, fire, and injury to persons, read all the instructions before using the tool.**

Work area

a. **Keep the work area clean and well lighted.** Cluttered benches and dark areas increase the risks of electric shock, fire, and injury to persons.

b. **Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** The tool is able to create sparks resulting in the ignition of the dust or fumes.

c. ***Keep bystanders, children, and visitors away while operating the tool.*** Distractions are able to result in the loss of control of the tool.

Personal safety

a. ***Stay alert. Watch what you are doing and use common sense when operating the tool. Do not use the tool while tired or under the influence of drugs, alcohol, or medication.*** A moment of inattention while operating the tool increases the risk of injury to persons.

b. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair increases the risk of injury to persons as a result of being caught in moving parts.

c. **Avoid unintentional starting. Be sure the switch is off before connecting to the air supply.** Do not carry the tool with your finger on the switch or connect the tool to the air supply with the switch on.

d. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.

e. **Use safety equipment.** A dust mask, non-skid safety shoes and a hard hat must be used for the applicable conditions. Wear heavy-duty work gloves during use.

f. **Always wear eye protection.** Wear ANSI-approved safety goggles.

g. **Always wear hearing protection when using the tool.** Prolonged exposure to high intensity noise is able to cause hearing loss.

Tool use and care

a. ***Use clamps or another practical way to secure and support the workpiece to a stable platform.*** Holding the work by hand or against the body is unstable and is able to lead to loss of control.

b. **Do not force the tool.** Use the correct tool for the application. The correct tool will do the job better and safer at the rate for which the tool is designed.

c. **Do not use the tool if the trigger does not turn the tool on or off.** Any tool that cannot be controlled with the trigger is dangerous and must be repaired.

d. **Disconnect the tool from the air source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool unintentionally. Turn off and detach the air supply, safely discharge any residual air pressure, and release the throttle and/or turn the switch to its off position before leaving the work area.

e. ***Store the tool when it is idle out of reach of children and other untrained persons.*** A tool is dangerous in the hands of untrained users.

f. **Maintain the tool with care.** Keep a cutting tool sharp and clean. A properly maintained tool, with sharp cutting edges reduces the risk of binding and is easier to control.

g. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that affects the tool's operation.** If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools. There is a risk of bursting if the tool is damaged.

h. **Use only accessories that are identified by the manufacturer for the specific tool model.** Use of an accessory not intended for use with the specific tool model, increases the risk of injury to persons.

Service

a. ***Tool service must be performed only by qualified repair personnel.***

b. **When servicing a tool, use only identical replacement parts. Use only authorized parts.**

c. **Use only the lubricants supplied with the tool or specified by the manufacturer.**

Air source

a. **Never connect to an air source that is capable of exceeding 120 psi for Items 97526 and 97520 or 100 psi for Item 97524.** Over pressurizing the tool may cause bursting, abnormal operation, breakage of the tool or serious injury to persons. Use only clean, dry, regulated compressed air at the rated pressure or within the rated pressure range as marked on the tool. Always verify prior to using the tool that the air source has been adjusted to the rated air pressure or within the rated air-pressure range.

b. ***Never use oxygen, carbon dioxide, combustible gases or any bottled gas as an air source for the tool.*** Such gases are capable of explosion and serious injury to persons.

SAVE THESE INSTRUCTIONS.

SYMBOLS AND SPECIFIC SAFETY INSTRUCTIONS

Symbol Definitions

Symbol	Property or statement
n_o	No-load speed
.../min	Revolutions or reciprocation per minute
PSI	Pounds per square inch of pressure
ft-lb	Foot-pounds of torque
BPM	Blows per minute
CFM	Cubic Feet per Minute flow
SCFM	Cubic Feet per Minute flow at standard conditions
NPT	National pipe thread, tapered
NPS	National pipe thread, straight
	WARNING marking concerning Risk of Eye Injury. Wear ANSI-approved eye protection.
	WARNING marking concerning Risk of Hearing Loss. Wear hearing protection.
	WARNING marking concerning Risk of Respiratory Injury. Wear NIOSH-approved dust mask/respirator.

Chart continued in next column.

Symbol Definitions

Symbol	Property or statement
	WARNING marking concerning Risk of Explosion.
	WARNING marking concerning Risk of Puncture

Specific Safety Instructions

1. The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

2. WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contains chemicals known [to the State of California] to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
   • Lead from lead-based paints
   • Crystalline silica from bricks and cement or other masonry products
   • Arsenic and chromium from chemically treated lumber
   Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles. (California Health & Safety Code § 25249.5, *et seq.*)
   WARNING: The brass components of this product contain lead, a chemical known to the State of California to cause birth defects (or other reproductive harm). (California Health & Safety code § 25249.5, *et seq.*)

3. Only use with accessories rated to handle the forces exerted by this tool during operation. Other accessories not designed for the forces generated may break and forcefully launch pieces.

4. Do not load nails with the trigger or safety depressed. Unintentional firing may occur. Do not load nails when the air hose is connected to the tool. Always assume that the tool contains fasteners

5. Disconnect air supply before loading Nailer. Before reloading (or making any adjustments to) the Nailer make sure that the compressed air is disconnected.

6. Fire fasteners into an appropriate work surface only. Do not attempt to fire fasteners into surfaces too hard to penetrate. Do not drive fasteners on top of other fasteners, or at too steep of an angle. Fasteners can ricochet causing personal injury. Never fire the Nailer into the air, or point it toward yourself or another person. Always wear ANSI-approved safety goggles during use, maintenance, and reloading.

7. Do not fire fasteners too close to the edge of a workpiece. They may split the workpiece and fly free, causing personal injury.

8. Take caution as some woods contain preservatives such as copper chromium arsenate (CCA) which can be

toxic. When stapling or nailing these materials extra care should be taken to avoid inhalation and minimize skin contact.

9. Hold Nailer away from head and body. During operation the Nailer may kick back causing injury.

10. Attach all accessories properly to the tool before connecting the air supply. A loose accessory may detach or break during operation.

11. Obey the manual for the air compressor used to power this tool.

12. Install an in-line shutoff valve to allow immediate control over the air supply in an emergency, even if a hose is ruptured.

Vibration Precautions

This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any medical or physical symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.

2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.

3. Wear suitable gloves to reduce the vibration effects on the user.

4. Use tools with the lowest vibration when there is a choice between different processes.

5. Include vibration-free periods each day of work.

6. Grip tool as lightly as possible (while still keeping safe control of it). Let the tool do the work.

7. To reduce vibration, maintain tool as explained in this manual. If abnormal vibration occurs, stop immediately.

SAVE THESE INSTRUCTIONS.

FUNCTIONAL DESCRIPTION

Specifications for 97526 Air Pin Nailer

Air Pressure Range	60-100 PSI
Maximum Air Pressure	120 PSI
Air Inlet	1/4” -18 NPT
Air Consumption	5.5 CFM @ 90 PSI
Fastener Type/Gauge	Headless Pin Nails 23 Gauge
Five Pin Length Settings	1/2”, 5/8”, 3/4”, 7/8”, 1”
Safety Mechanism Type	No Contact Safety

Specifications for 97520 Air Brad Nailer

Air Pressure Range	60-100 PSI
Maximum Air Pressure	120 PSI
Air Inlet	1/4” -18 NPT
Air Consumption	5 ~ 6 SCFM @ 90 PSI
Fastener Type/Gauge	16 Gauge
Brad Size Capacity	3/4” ~ 2” L
Safety Mechanism Type	Full Sequential

Specifications for 97524 Air Brad Nailer/Stapler

Air Pressure Range	60-100 PSI
Maximum Air Pressure	100 PSI
Air Inlet	1/4” -18 NPT
Air Consumption	4 ~ 6 SCFM @ 90 PSI
Magazine Capacity	100 Nails or 80 Staples
Brad Nail Size	.039 - .042” Shank (18 Gauge); 5/8” - 2” L
Staple Size	1/4” Crown, .039 - .042” Shank (18 Gauge), 1/2” - 1-1/2” L
Safety Mechanism Type	Single Sequential

INITIAL TOOL SET UP/ ASSEMBLY

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Note: For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

Unpacking

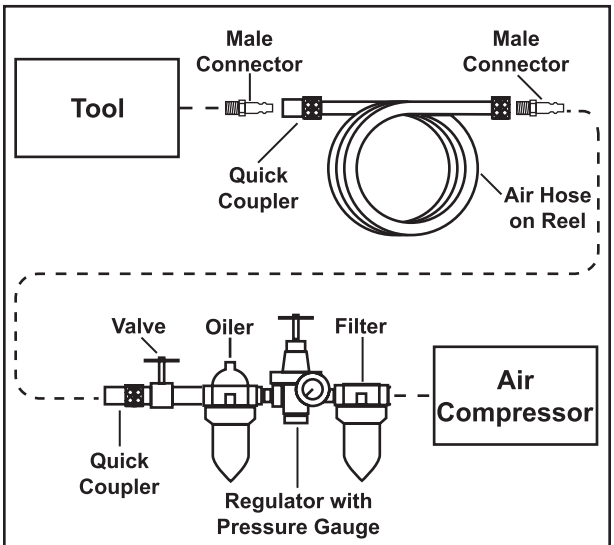
When unpacking, check to make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at the number shown throughout the manual as soon as possible.

- This air tool may be shipped with a protective plug covering the air inlet. Remove this plug before set up.

Air Supply

⚠WARNING TO PREVENT EXPLOSION:

Use only clean, dry, regulated, compressed air to power this tool. Do not use oxygen, carbon dioxide, combustible gases, or any other bottled gas as a power source for this tool.



Recommended Air Line Components

1. Incorporate an in-line oiler, shut-off valve, regulator with pressure gauge, and filter for best service, as shown in the diagram above. **An in-line shut-off valve is an important safety device because it controls the air supply even if the air hose is ruptured.**

Note: If an automatic oiler system is not used, add a few drops of Pneumatic Tool Oil to the airline connection before operation. Add a few more drops after each hour of continual use.

2. Attach an air hose to the compressor's air outlet. Connect the air hose to the air inlet of the tool. Other components, such as a connector and quick coupler, will make operation more efficient, but are not required.

⚠**WARNING! TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:**
Do not install a female quick coupler on the tool. Such a coupler contains an air valve that will allow the air tool to retain pressure and operate accidentally after the air supply is disconnected.

Note: Air flow, and therefore tool performance, can be hindered by undersized air supply components.

3. The air hose must be long enough to reach the work area with enough extra length to allow free movement while working.

4. Make sure the tool's throttle or switch is in the off position; refer to Operation section for description of controls.

5. Close the in-line safety valve between the compressor and the tool.

6. Turn on the air compressor according to the manufacturer's directions and allow it to build up pressure until it cycles off.

7. Adjust the air compressor's output regulator so that the air output is enough to properly power the tool, but the output will not exceed the tool's maximum air pressure at any time. Adjust the pressure gradually, while checking the air output gauge to set the right pressure range.

8. Inspect the air connections for leaks. Repair any leaks found.

9. If the tool will not be used at this time, turn off and detach the air supply, safely discharge any residual air pressure, and release the throttle and/or turn the switch to its off position to prevent accidental operation.

Note: Residual air pressure should not be present after the tool is disconnected from the air supply. However, it is a good safety measure to attempt to

discharge the tool in a safe fashion after disconnecting to ensure that the tool is disconnected and unpowered.

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Inspect tool before use, looking for damaged, loose, and missing parts. If any problems are found, do not use tool until repaired.

Tool Set Up

⚠WARNING TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Turn off the tool, detach the air supply, safely discharge any residual air pressure in the tool, and release the throttle and/or turn the switch to its off position before performing any inspection, maintenance, or cleaning procedures.

TO PREVENT SERIOUS INJURY:
Do not adjust or tamper with any control or component in a way not specifically explained within this manual. Improper adjustment can result in tool failure or other serious hazards.

Testing The Single Sequential Safety Trip Mechanism

⚠WARNING Even though the nailer should be empty during this procedure, ALWAYS point the nailer/Stapler at a piece of scrap wood when testing.

1. The Nailer/Stapler should not fire if the nose is not depressed against the workpiece. This tool has a contact safety tip mechanism, which is designed to prevent inadvertent firing. The tool will only fire if the Safety is resting on the workpiece prior to pulling the Trigger.
2. Make sure the tool is disconnected from the air supply.
3. Empty the magazine of nails, brads, or staples.
4. Check that the Trigger and the Safety on the nose of the tool move freely, without sticking.
5. Connect the air supply to the tool at the Air Plug and set at the item's recommended PSI, but not over the maximum rated PSI.
6. Test the tool by depressing the Safety workpiece without pulling the Trigger. **The tool must not cycle (fire)**. If it cycles (fires), stop immediately and take the tool to a qualified service technician for repair.
7. Hold the tool away, or off of the workpiece. The Safety or nose of the tool should return to its original position. Squeeze the Trigger. **The tool should not cycle (fire).** If it cycles (fires), stop immediately and take the tool to a qualified service technician.
8. Depress the Safety against the workpiece and squeeze the Trigger. **The tool must cycle (fire) once only**.

Release the trigger and squeeze it again. **The tool must cycle (fire) once only**. With the Trigger held, carefully lift the nailer and press it against the workpiece again. **The tool must not cycle (fire)**. If it fails to act in the manner explained in bold, have it repaired by a qualified service technician.

Loading the 97526 Air Pin Nailer

⚠WARNING

1. **ALWAYS wear ANSI-approved impact safety goggles when reloading or doing any other maintenance on this tool.** Other people in the work area must also wear ANSI-approved impact safety goggles.
2. Make sure Nailer is not attached to the air hose whenever loading tool.
3. Depress upper tip of the Click Lever (59). The Side Cover (34) will pop open.
4. Insert a row of fasteners (not included) into the Upper Magazine (47/51). Make sure the pointed ends of the fasteners are loaded with the points downward. Also make sure fasteners are not dirty or damaged
5. Slide the Side Cover (34) back over the Upper Magazine (47/51) and press the upper tip of the Click Lever (59) inward to lock Side Cover (34) in place.

Loading the 97520 Air Brad Nailer

⚠WARNING

1. **ALWAYS wear ANSI-approved impact safety goggles when reloading or doing any other maintenance on this tool.** Other people in the work area must also wear ANSI-approved impact safety goggles.
2. Make sure Nailer is not attached to the air hose whenever loading tool.
3. Slide the Pusher (63) back until it locks in place.
4. Place a full clip of the desired size Brads (3/4” to 2”) in the Magazine Assembly (70). Up to 100 Brads may be loaded in the Magazine.
5. While holding the Pusher (63) in place, press the Release (74) and slide the Pusher forward.

Loading the 97524 Nailer/Stapler

⚠WARNING

1. **ALWAYS wear ANSI-approved impact safety goggles when reloading or doing any other maintenance on this tool.** Other people in the work area must also wear ANSI-approved impact safety goggles.
2. Make sure Nailer is not attached to the air supply whenever loading tool.
3. Depress the Latch (73) and pull back on the Tail Cover (78), opening Magazine A (67A).

2. Insert the brad nails into the Magazine, letting the pointed end ride on the rail of Magazine B (61A). If loading staples, fit the crown of the staples so they fit over, and ride on the rail of Magazine B (61A).
3. After the nails or staples reach the nose of the tool, close Magazine A (67A).
4. **Note:** The window gauge on Magazine A (67A) lets you know how many nails or staples remain.

General Operating Instructions for All Three Nailers

1. Before use, add a few drops of pneumatic tool oil (not included) into the Inlet.
2. Attach the Air Coupler to Air Inlet using pipe thread seal tape (not included)**.** Then connect the 3/8" Air Source Hose to Nailer.
3. If necessary, rotate the Exhaust Cover so that the exhaust air blast will be directed away from the operator
4. Set the working air pressure on the regulator to between the required PSI range. **Do not exceed Max. PSI. Refer to Spec Charts on Page 7 for max. PSI levels.**
5. For the 97526 Air Pin Nailer only, set the Adjusting Dial to match the corresponding sizes of the fasteners loaded in Nailer/Stapler.
6. Slide the Safety to the side so that the Trigger will function. When ready, squeeze the Trigger to operate.
7. Test before first use by driving nails, brads or staples into a sample piece of wood. If the fasteners do not achieve the desired penetration, adjust the air pressure to a higher setting until desired penetration is achieved.
8. To fire, place the nose of the Nailer/Stapler on the workpiece. The Nailer/Stapler should not fire if the Safety is not depressed. Once depressed, gently and briefly squeeze the Trigger once. **Do not fire repeatedly**; nails, brads, or staples could bounce off of one another, damaging the work piece or causing PERSONAL INJURY.
9. Do not press the Safety against the workpiece with extra force. Allow the tool to do the work. Always allow the tool to recoil off the work surface
10. When finished using the Nailer/Stapler, always disconnect the tool from its air supply. Empty the Magazine Assembly completely of nails, brads or staples. Attempt to fire the Nailer into a piece of scrap wood to ensure it is disconnected and is incapable of firing any fasteners.
11. Store the Nailer/Stapler in a clean, dry, safe location. Keep Nailer/Stapler and air supply out of reach of children.

Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠WARNING **TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:**
Release trigger, detach the air supply, and safely discharge any residual air pressure in the tool before performing any inspection, maintenance, or cleaning procedures.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:
Do not use damaged equipment. If abnormal noise, vibration, or any leakage is detected, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

Anytime *any* maintenance or repairs are done (including clearing jams), FIRST:

1. Disconnect the Nailer/Stapler from the air hose.
2. Empty Magazine completely.
3. Attempt to fire the Nailer/Stapler into a piece of scrap wood to ensure that it is disconnected and is incapable of firing any staples.
4. **Always empty and leave Magazine open during maintenance. The Magazine is spring-loaded and may cause parts or a fastener to fly out of the Nailer/Stapler.**

Clearing Jams for 97520 Brad Nailer

⚠WARNING

1. **ALWAYS wear ANSI-approved impact safety goggles when clearing jams.**
2. Occasionally, a Brad may become jammed in the firing mechanism of the Nailer, making the tool inoperable.
3. To remove a jammed Brad, disconnect the Nailer from its air supply.
4. Slide the Pusher (63) back until it locks in place.
5. Remove all Brads from the Magazine Assembly (70).
6. While holding the Pusher (63) in place, press the Release (74) and slide the Pusher forward all the way
7. Attempt to fire the Nailer into a piece of scrap wood to ensure it is discon-

nected and is incapable of firing any Brads.

8. With the Driver Guide Cover (52A) facing away from you, push the Lock Spring (92) and remove Driver Guide Cover.

9. Remove the jammed Brad.

10. Close the Driver Guide Cover (52A), making sure it locks in place.

11. Reload the Nailer with Brads. Then, reconnect the air supply hose to the tool.

12. Press the Safety (50A) against a piece of scrap wood, and test fire the Nailer several times while checking for proper operation. If the Nailer is properly firing, you may continue using the tool. If the tool fails to perform properly, immediately discontinue use and have the tool repaired by a qualified service technician.

13. When finished working, disconnect the air supply. Remove the Brads. Then, store the Nailer in a clean, dry, safe location out of reach of children.

⚠WARNING **TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:**
Release trigger, detach the air supply, and safely discharge any residual air pressure in the tool before performing any inspection, maintenance, or cleaning procedures.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:
Do not use damaged equipment. If abnormal noise, vibration, or any leakage is detected, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

Anytime *any* maintenance or repairs are done (including clearing jams), FIRST:

1. Disconnect the Nailer/Stapler from the air hose.
2. Empty Magazine completely.
3. Attempt to fire the Nailer/Stapler into a piece of scrap wood to ensure that it is disconnected and is incapable of firing any staples.
4. **Always leave Magazine open during maintenance. The Magazine is spring-loaded and may cause parts or a fastener to fly out of the Nailer/Stapler.**

Clearing Jams for 97524 Nailer/Stapler

⚠WARNING

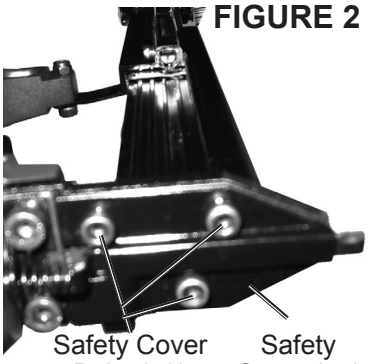
1. **ALWAYS wear ANSI-approved impact safety goggles when clearing jams.**
2. Disconnect tool from air hose, empty Magazine A (67) of fasteners, release any built-up air pressure, and leave the magazine open, as explained above.
2. While doing this step and the next 2 steps, hold the Nailer/Stapler pointed

away from you and any other people or fragile objects - see *Figure 1*.

FIGURE 1

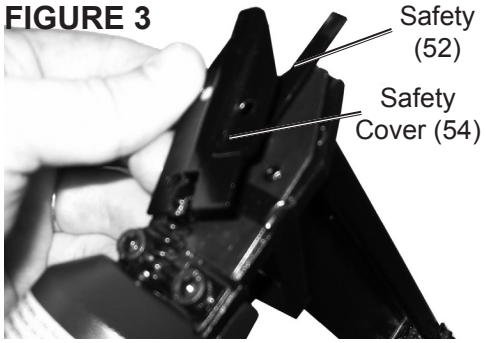
Remove all three Safety Cover Bolts (53) on the Safety Cover (54) - see *Figure 2*.

FIGURE 2



3. Lift the Safety Cover (54) off the top of the Nailer/Stapler - see *Figure 3*.

FIGURE 3



4. Carefully slide the Driver Cover (57) off around the Safety (52). Note the position of the tab on the Driver Cover (57). Remove the jammed fastener; pliers may be necessary to remove a stuck fastener.
5. Inspect the Driver (17A) for bends or breakage. If it is damaged, do not use the tool until it is repaired by a qualified technician.
6. Lightly oil the Driver (17A) and replace the Driver Cover (57) with the tab in the Cover facing the Driver Guide (58). Replace the Safety Cover (54), being careful to line up the bolt holes and fit the Safety (52) into the slot. Replace and securely tighten all of the Safety Cover Bolts (53). Make sure that the Safety (52) moves without sticking - see *Figure 4*.

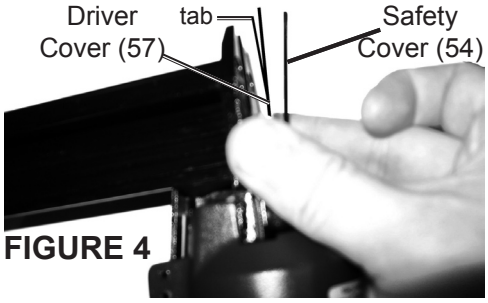


FIGURE 4

7. Reload the Nailer/Stapler.
8. Reconnect the Nailer/Stapler to the air hose.
9. Press the Safety (52) of the Nailer/Stapler against an appropriate piece of scrap wood.
10. Test fire the Nailer/Stapler several times, checking for proper operation.
11. Disconnect the Nailer/Stapler, remove the fasteners, and store the Nailer/Stapler in a location out of children's reach.

⚠WARNING **TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:**
Release trigger, detach the air supply, and safely discharge any residual air pressure in the tool before performing any inspection, maintenance, or cleaning procedures.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:
Do not use damaged equipment. If abnormal noise, vibration, or any leakage is detected, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

Anytime *any* maintenance or repairs are done (including clearing jams), FIRST:

1. Disconnect the Nailer/Stapler from the air hose.
2. Empty Magazine completely.
3. Attempt to fire the Nailer/Stapler into a piece of scrap wood to ensure that it is disconnected and is incapable of firing any staples.
4. **Always leave Magazine open during maintenance. The Magazine is spring-loaded and may cause parts or a fastener to fly out of the Nailer/Stapler.**

Clearing Jams for 97526 Pin Nailer

⚠WARNING

1. **ALWAYS wear ANSI-approved impact safety goggles when clearing jams.**
2. In case of a fastener jam, take your finger off the Trigger (27). Rotate the Trigger Lock/Safety (60) clockwise or counter-clockwise. For instance, a “6 o-clock” position will lock the Trigger (27) and the tool will not fire. However, “3 o-clock” and “9 o-clock” positions unlock the Trigger (27), allowing the tool to fire.

   Note: There is no contact safety for the Trigger (27). When the Trigger Lock/Safety (60) is disengaged, the Nailer will fire.
3. Turn off the air supply and disconnect the Nailer from the regulator. Open the Nozzle (40) and clear the jammed fasteners with a pair of pliers (not included).

   If a jam occurs inside the magazine, depress the upper tip of the Click Lever (59). The Side Cover (34) will pop open. If needed, open the Nozzle (40) to help clear the jam. Once the jam is cleared, push the Side Cover (34) back into place and latch tight using the Click Lever (59).

Maintenance (For All Nailers)

1. Daily - Air Supply Maintenance: Every day, perform maintenance on the air supply according to the component manufacturers' instructions. The lubricator's oil level needs to be maintained and the moisture filter must be regularly drained. Performing routine maintenance on the air supply will allow the tool to operate more safely and will also reduce wear on the tool.
2. Quarterly (every 3 months) - Tool Disassembly, Cleaning, and Inspection: Have the internal mechanism cleaned, inspected, and lubricated by a qualified technician. If the vanes need replacement, all vanes should be replaced as a set.
3. Inspect the air supply Screen that is located in the End Cap before each use, and clean or replace as necessary. Dirt and water in the air supply Screen are major causes of pneumatic tool wear. Use a filter in the compressed air system for better performance and longer tool life. The filter must have adequate flow capacity for the specific application.
4. Inspect all of the nuts and screws and make sure they are securely fastened.
5. Periodically lubricate the Nailer's driving mechanism and magazine with a light oil. Wipe down with a clean cloth. Never use gasoline or flammable solvents to clean the tool.
6. Clean the external parts of the Nailer with a clean cloth and mild detergent or non-flammable solvent. Then, dry.
7. Store Nailer in a clean, dry, safe location out of reach of children.

⚠WARNING **If you detect any air leaks, power loss, the Nailer/Stapler skips driving, drives too deep, or not deep enough, take the Nailer/Stapler to a qualified service technician.**

Please refer to the Troubleshooting chart on the next page for additional maintenance procedures.

Troubleshooting Guide

Stop using the Nailer/Stapler immediately if any of the following problems occur.
Repairs and part replacements must be done only by a qualified technician.
All procedures in bold on this chart are to be attempted only be a qualified technician.

Problem	Likely Cause	Solution
Air leaking at Trigger area.	O-Rings in Valve Body are damaged.	**Replace O-Rings and check contact trip operation.**
Air leaking between Housing and Nose.	1. Loose screws in Housing. 2. Damaged O-Rings/Bumper.	1. Tighten screws. 2. **Replace O-Rings or Bumper.**
Air leaking between Housing and Cap.	1. Loose screws. 2. Damaged Gasket.	1. Tighten Screws. 2. **Replace Gasket.**
Runs slowly or has power loss.	1. Insufficient oil. 2. Broken Spring in Cylinder Cap. 3. Exhaust is blocked.	1. Lubricate as instructed. 2. **Replace Compression Spring.** 3. **Clean Cap or replace damaged parts.**
Tool skips a nail.	1. Worn Bumper or damaged Pusher Spring. 2. Dirt in Driver Guide. 3. Inadequate airflow to Nailer/ Stapler. 4. Worn or dry O-Ring on Piston. 5. Damaged O-Ring on Trigger Valve. 6. Cap Gasket leaking.	1. **Replace Bumper or Pusher Spring.** 2. Clean channels in Driver Guide. 3. Check hose and compressor fittings. 4. **Replace or lubricate O-Rings.** 5. **Replace O-Rings.** 6. **Replace Gasket.**
Fasteners are jammed.	1. Guide on driver is worn. 2. Fasteners are wrong size or damaged. 3. Magazine or Nose screws are loose. 4. Driver is damaged.	1. **Replace Guide.** 2. Use correct, undamaged Fasteners. 3. Tighten screws. 4. **Replace Driver.**
Nailer/Stapler will not drive down tight.	1. Rounded Driver slipping off fastener crown. 2. Lack of air pressure. 3. Slow cycling and loss of power.	1. **Replace Driver.** 2. Supply correct pressure. 3. **Check Compression Spring for broken coils or reduced length. Make sure Exhaust is clear.**
Blade driving fastener too deeply.	Worn Bumper (94) and/or Piston Spacer.	**Replace either or both parts.**

All procedures in bold on this chart are to be attempted only be a qualified technician.

PLEASE READ THE FOLLOWING CAREFULLY

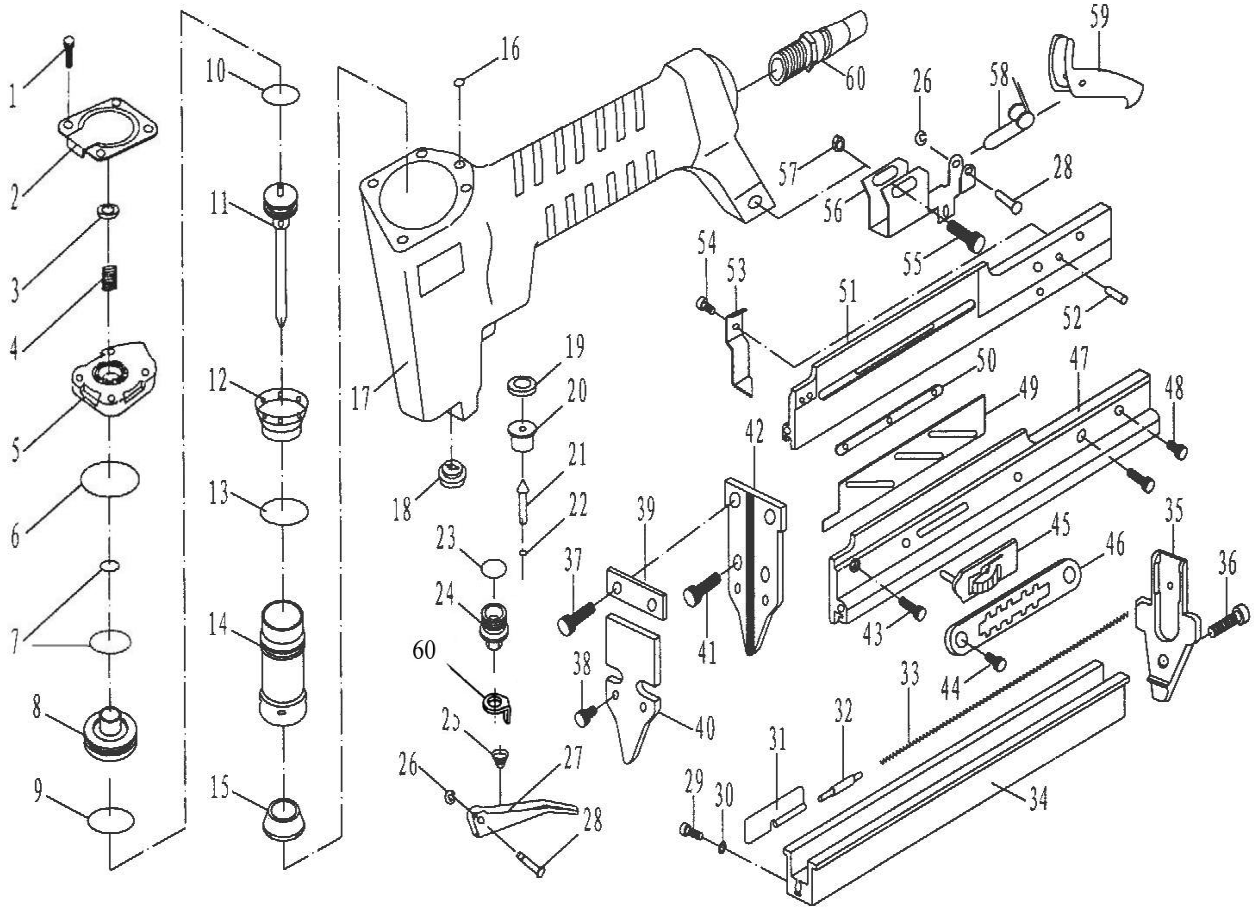
THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

PARTS LIST FOR 97526 AIR PIN NAILER

Part	Description	Q'ty
1	Hex Bolt	1
2	Deflector	1
3	Seal	1
4	Spring	1
5	Head cap	1
6	O-RIng	1
7	O-RIng	1
8	Head Valve Piston	1
9	O-Ring	1
10	O-Ring	1
11	Piston-Driver Unit	1
12	Lining Ring	1
13	O-Ring	1
14	Cylinder	1
15	Bumper	1
16	O-Ring	1
17	Body	1
18	Nozzle	1
19	Seal	1
20	Trigger Valve Head	1
21	Trigger Plunger	1
22	O-RIng	1
23	O-Ring	1
24	Trigger Valve Guide	1
25	Spring	1
26	E-Ring	1
27	Trigger	1
28	Retainer Pin	1
29	Hex Bolt	1
30	Washer	1
31	Pusher Unit	1

Part	Description	Q'ty
32	Spring Holder	1
33	Spring	1
34	Side Cover	1
35	Rear Plate	1
36	Hex Bolt	1
37	Hex Bolt	1
38	Hex Bolt	1
39	Spacer	1
40	Bracket	1
41	Hex Bolt	1
42	Driver Guide	1
43	Hex Bolt	1
44	Hex Bolt	1
45	Adjust Dial	1
46	Limiting Plate	1
47	Upper Right Magazine	1
48	Hex Bolt	1
49	Guide Piece	1
50	Pusher Plate	1
51	Upper Left Magazine	1
52	Pin	1
53	Limiting Plate	1
54	Hex Bolt	1
55	Hex Bolt	1
56	Tail Hanger	1
57	Lock Nut	1
58	Spring	1
59	Click Lever	1
60	Trigger Lock/Safety	1
61	Air Coupler 1/4"-18 NPT	1

ASSEMBLY DIAGRAM FOR 97526 AIR PIN NAILER



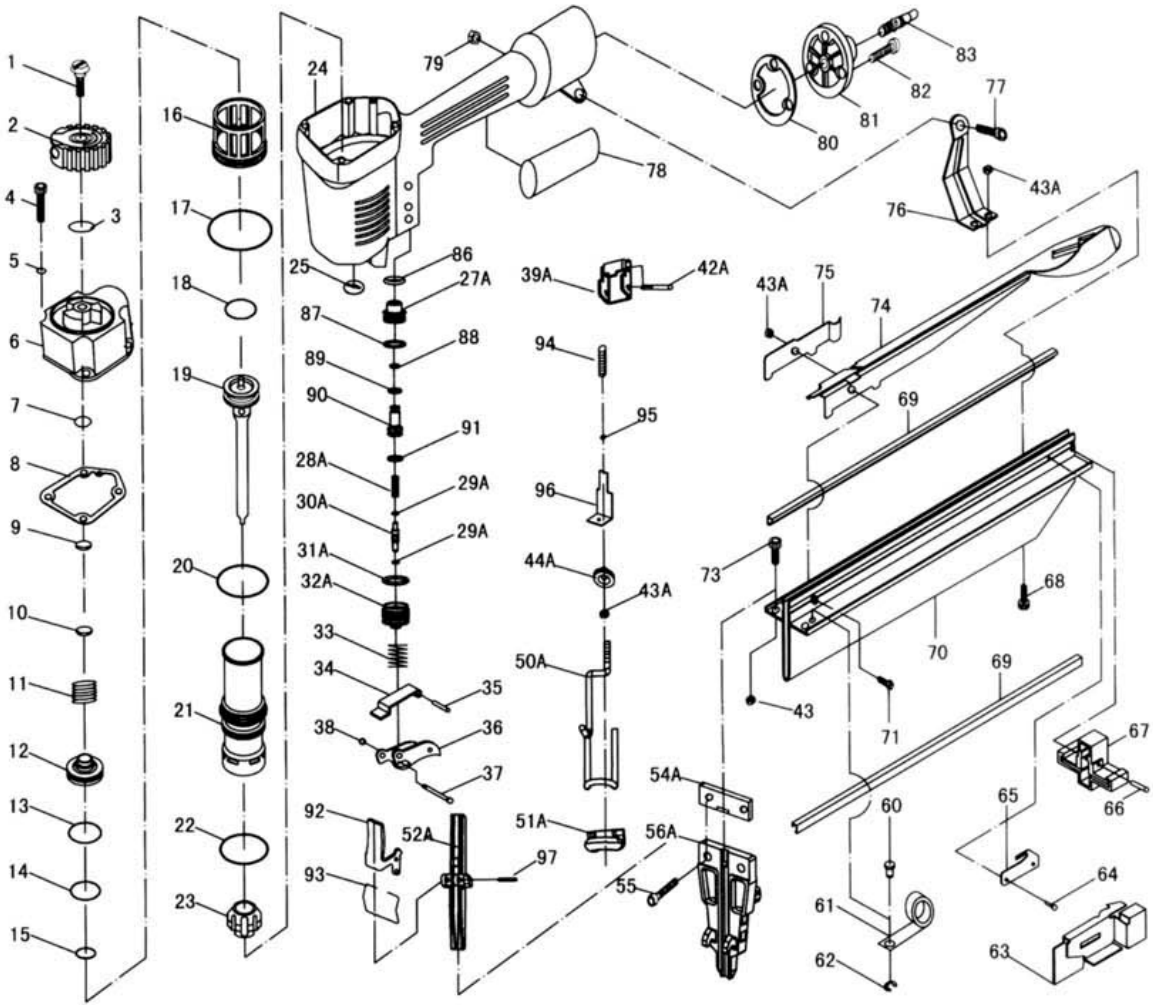
PARTS LIST FOR 97520 AIR BRAD NAILER

Part	Description
1	Shoulder screw
2	Exhaust cover
3	Shim
4	Hex.Soc.Hd.Bolt
5	Spring Washer
6	Deflector
7	O-Ring
8	Packing
9	Gasket
10	Seal
11	Spring
12	Hd.Valve Piston
13	O-Ring
14	O-Ring
15	O-Ring
16	Collar
17	O-Ring
18	O-Ring
19	Driver Unit
20	O-Ring
21	Cylinder
22	O-Ring
23	Bumper
24	Body
25	Nozzle
27A	Trigger Valve Head
28A	Compression Spring
29A	O-Ring

Part	Description
30A	Valve Plunger(Lower)
31A	O-Ring
32A	Valve Body(Lower)
33	Spring
34	Trigger Plate
35	Spring Pin
36	Trigger
37	Pin
38	O-Ring
39A	Guide
42A	Spring Pin
43A	Lock Nut
44A	Setting Knob
50A	Safety B
51A	Safety Sleeve
52A	Driver guide cover A
54A	Driver guide cover B
55	Hex.Soc.Hd.Bolt
56A	Driver Guide
60	Pin
61	Spring
62	E-Ri ng
63	Pusher
64	Rivet
65	Clapboard
66	Spring Pin
67	Tail Cover
68	Hex.Soc.Hd.Bolt

Part	Description
69	Steel Channel
70	Magazine
71	Flat Soc.Hd.Screw
73	Hex.Soc.Hd.Bolt
74	Pusher Release
75	Spring
76	Tail Hanger
77	Hex.Soc.Hd.Bolt
78	Hand Grip
79	Lock Nut
80	Packing
81	End Cap
82	Hex.Soc.Hd.Bolt
83	Quick Coupler
86	O-ring
87	O-ring
88	O-ring
89	O-ring
90	Trigger Valve Head
91	O-Ring
92	Locker Spring
93	Screw
94	Spring
95	Fixture Ring
96	Safety A Unit
97	Spring Pin

ASSEMBLY DIAGRAM FOR 97520 AIR BRAD NAILER

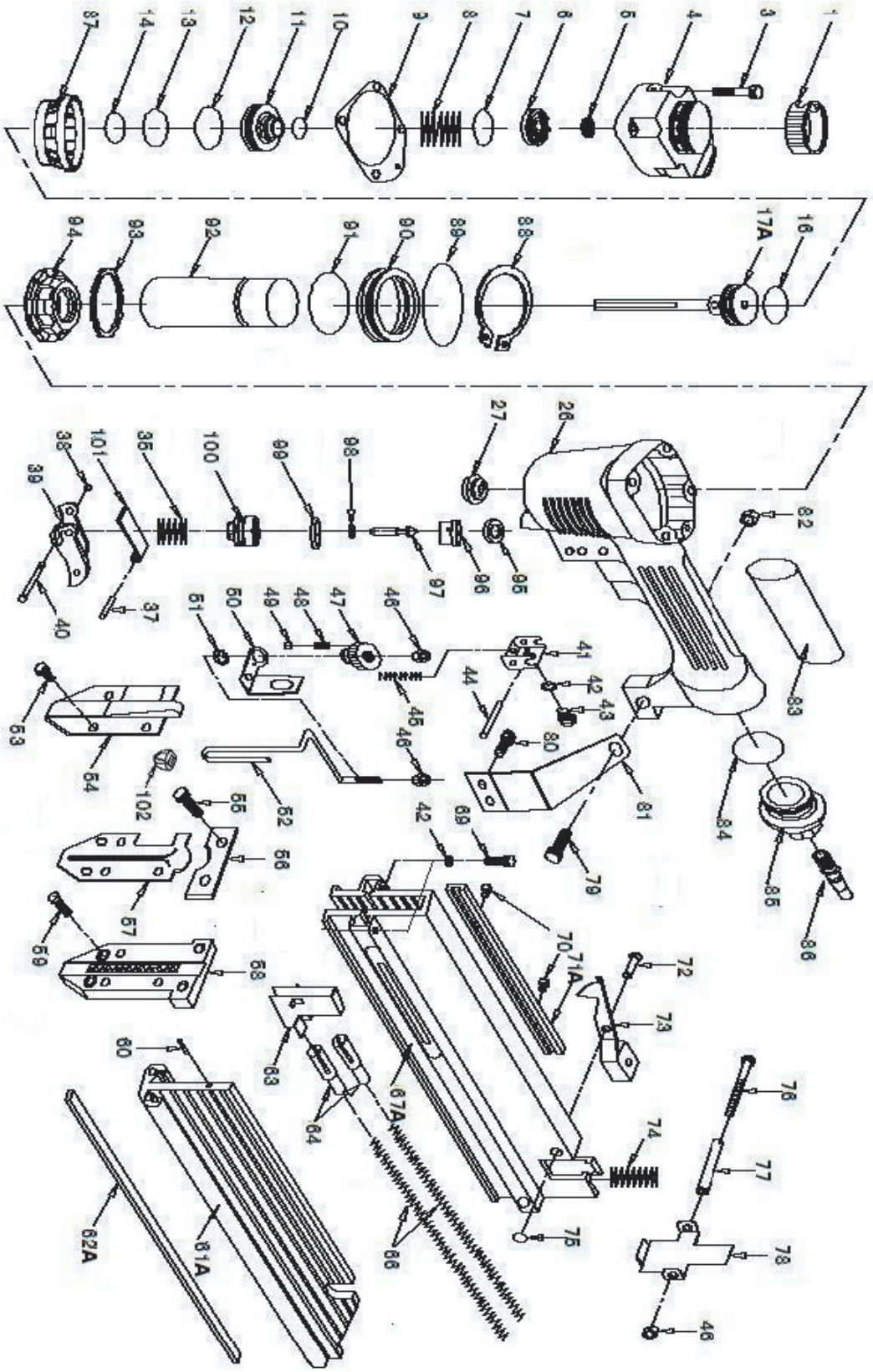


PARTS LIST FOR 97524 AIR NAILER/STAPLER

Part	Description
1	Exhaust Deflector
3	Hex. Bolt
4	Head Cap
5	Seal
6	Internal Lining
7	O-Ring
8	Compression Spring
9	Gasket
10	O-Ring
11	Head Valve Piston
12	O-Ring
13	O-Ring
14	O-Ring
16	O-Ring
17A	Piston & Driver
26	Body
27	Nozzle
35	Compression Spring
37	Spring Pin
38	E-Ring
39	Trigger
40	Retainer Pin
41	Safety Guide
42	Spring Washer
43	Hex Bolt
44	Spring Pin
45	Spring
46	Screw Nut
47	Thumb Wheel
48	Spring
49	Steel Ball
50	Stopper
51	E-Ring
52	Safety
53	Safety Cover Bolt
54	Safety Cover
55	Hex. Bolt
56	Spacer
57	Driver Cover
58	Driver Guide
59	Hex. Bolt

Part	Description
60	Pin
61A	Magazine B
62A	Steel Bar
63	Pusher Unit
64	Spring Holder
66	Spring
67A	Magazine A
68	Stopper
69	Hex. Bolt
70	Hex. Bolt
71A	Nail Positioner
72	Retaining Pin
73	Latch
74	Spring
75	O-Ring
76	Hex Bolt
77	Cylinder Pin
78	Tail Cover
79	Hex. Bolt
80	Hex. Bolt
81	Tail Hanger
82	Lock Nut
83	Hand Grip
84	O-Ring
85	End Cap
86	Air Plug
87	Collar
88	Fixed Ring
89	O-Ring
90	Lining Ring
91	O-Ring
92	Cylinder
93	Lining Ring
94	Bumper
95	Seal
96	Trigger Valve Upper
97	Trigger Plunger
98	O-Ring
99	O-Ring
100	Trigger Valve Lower
101	Trigger Plate
102	Non-mar Tip

ASSEMBLY DIAGRAM FOR 97524 AIR NAILER/STAPLER



LIMITED 1 YEAR WARRANTY

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of one year from the date of purchase (90 days if used by a professional contractor or if used as rental equipment). This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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Record Product's Serial Number Here:_____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.